

U.S. EPA NEW ENGLAND CENTER FOR ENVIRONMENTAL INDUSTRY AND TECHNOLOGY (CEIT)

September, 2004

Welcome to EnvirotechNews, a service provided by the Center for Environmental Industry and Technology (CEIT). This monthly newsletter contains information relevant to the environmental technology industry under the following headings: Government Funding Opportunities, Environmental Technology Verification (ETV) Opportunities, and Upcoming Events. Special issues of EnvirotechNews feature Technology Opportunities; this section offers the unique opportunity to connect with individuals or companies that may be looking for new solutions to specific environmental problems. We try to keep EnvirotechNews as brief as possible while providing information relevant to your needs.

GOVERNMENT FUNDING OPPORTUNITIES

ENVIRONMENTAL PROTECTION AGENCY

(New) EPA REQUESTS PROPOSALS FOR A CYBER-INFRASTRUCTURE FOR AIR QUALITY MANAGEMENT PARTNERSHIP, SOL# OAR-IO-04-11. RESPONSES DUE 10/12/04. A central part of the partnership will be the development of a central Web portal for the Networked Environmental Information System for Global Emissions Inventories (NEISGEL). Solicitation open to governmental agencies, universities and non-profit organizations. \$375K expected to be available; 1 award anticipated. For more information, visit [http://www.epa.gov/air/grants\\_funding.html](http://www.epa.gov/air/grants_funding.html)

(New) EPA ISSUES SOLICITATION FOR VEHICLE AIR CONDITIONER TECHNOLOGIES, SOL# OAR-CPPD-04-10. RESPONSES DUE 10/15/04. EPA seeks applications to develop and implement new technologies to reduce greenhouse gas emissions (GHG) from motor vehicle air conditioning. GHG from vehicle air conditioning includes the direct refrigerant emissions and the indirect exhaust emissions from the additional power required to operate air conditioning compressors, fans and controls and also to transport the additional weight of the air conditioning system. Solicitation open to governmental agencies, universities and non-profit organizations. \$1.5 million expected to be available; 5 awards anticipated. For more information, visit [http://www.epa.gov/air/grants\\_funding.html](http://www.epa.gov/air/grants_funding.html).

(New) EPA SEEKS ECOLOGICAL INDICATORS OF AIR QUALITY, SOL# OAR-CAMD-04-12. RESPONSES DUE 10/18/04. EPA seeks proposals for work that enhances scientific assessment capabilities to better understand how changes in air quality and atmospheric deposition impact entire ecosystems. Solicitation open to governmental agencies, universities and non-profit organizations. \$250K expected to be available; 1 award anticipated. For more information, visit [http://www.epa.gov/air/grants\\_funding.html](http://www.epa.gov/air/grants_funding.html)

DEPARTMENT OF DEFENSE

DOD RELEASED ITS 2004.4 SBIR SOLICITATION ON 8/2/04. ACCEPTING PROPOSAL 9/15/04; CLOSES 10/15/04. This solicitation includes topics from the Navy and the Missile Defense Agency (MDA). For more information, visit [www.acq.osd.mil/sadbu/sbir/](http://www.acq.osd.mil/sadbu/sbir/)

DEPARTMENT OF ENERGY

DOE National Energy Technology Laboratory (NETL) uses the Industry Interactive Procurement System (IIPS) to post solicitations and amendments, receive proposals/applications, and disseminate award information. Entities wishing to participate in NETL solicitations will need to register at the IIPS website

(<http://e-center.doe.gov>).

DOE ISSUES A PRESOLICITATION NOTICE FOR RAPIDLY DEPLOYABLE EMERGENCY SPARE TRANSFORMERS, SOL # DE-RP26-04NT42193. EXPECTED RELEASE ON OR ABOUT 9/1/04. DOE NETL on behalf of the Department of Homeland Security intends to issue a competitive solicitation to procure, store, and make preparations for the deployment of EHV transformers appropriately designed to replace damaged EHV transformers at substations on the electrical grid. For more information, visit <http://www.netl.doe.gov/business/solicit/index.html>

(New) DOE INTENDS TO ISSUE RFP FOR TECHNICAL SUPPORT FOR ENERGY STAR AND CODES, SOL# DE-RP26-04NT42556. EXPECTED TO OPEN ON OR ABOUT 9/2/04. DOE announces its intent to request proposals from small businesses to provide technical support for the Office of Energy Efficiency and Renewable Energy's (EERE) management of the Energy Star Program and development of codes and standards for the Appliances and Commercial Equipment Standards Program. For more information, visit <https://e-center.doe.gov/iips/busopor.nsf/UNID/57119A433D9ACC5985256EEC005B3111?OpenDocument>

(New) DOE WILL OPEN ITS SBIR/STTR SOLICITATION ON 9/28/04. The solicitation will include opportunities for manufacturing-related projects in accordance with President Bush's Executive Order 13329, "Encouraging Innovation in Manufacturing." The solicitation will be available at [www.science.doe.gov/sbir](http://www.science.doe.gov/sbir) beginning September 28, 2004.

DOE OFFICE OF SCIENCE OFFERS GRANTS, ANNUAL NOTICE DE-FG01-04ER04-02. RESPONSES ACCEPTED THROUGH 9/30/04. DOE announces its continuing interest in receiving grant applications for support of work in the following program areas: Basic Energy Sciences, High Energy Physics, Nuclear Physics, Advanced Scientific Computing Research, Fusion Energy Sciences, Biological and Environmental Research, and Energy Research Analyses. For more information, contact Lori Jernigan at [Lori.Jernigan@science.doe.gov](mailto:Lori.Jernigan@science.doe.gov) or visit <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-04ER04-01/Grant.html>

DOE SEEKS APPLICATIONS FOR THE DEVELOPMENT OF TECHNOLOGIES AND CAPABILITIES FOR COAL ENERGY RESOURCES, SOL# DE-PS26-04NT42249. RESPONSES DUE 10/5/04. DOE NETL is seeking cost-shared applications for energy research and development related activities that promote the efficient and sound production and use of coal. Program areas of interest are: (1) Carbon Sequestration, (2) Power Systems Advanced Research, (3) Coal Fuels and Hydrogen, and (4) Advanced Gasification. For more information, visit <http://www.netl.doe.gov/business/solicit/index.html>

DOE SOLICITS APPLICATIONS FOR HYDROGEN FUEL RESEARCH, SOL# DE-FG01-04ER04-20. FINAL APPLICATIONS DUE 1/4/05. DOE Office of Basic Energy Sciences announces its interest in receiving grant applications for projects on basic research for the Hydrogen Fuel Initiative (HFI). Areas of focus include: Novel Materials for Hydrogen Storage; Membranes for Separation, Purification, and Ion Transport; Design of Catalysts at the Nanoscale; Solar Hydrogen Production; and Bio-Inspired Materials and Processes. \$12 million expected to be available; multiple awards anticipated. For more information, visit <http://www.science.doe.gov/grants/Fr04-20.html>

#### DEPARTMENT OF HEALTH AND HUMAN SERVICES

DHS PHS/NIH ISSUES ITS SBIR PHASE I CONTRACT SOLICITATION. CLOSING 11/5/04. Unlike the omnibus NIH SBIR/STTR "Grants" solicitation (which is open all year), the Public Health Service (PHS) 2005-1 SBIR "Contracts" Solicitation is for SBIR only. There are topics from the NIH as well as the CDC. For more information, visit <http://grants.nih.gov/grants/funding/sbir.htm>

NIH, CDC, AND FDA OMNIBUS SBIR/STTR GRANTS SOLICITATION CLOSES 12/1/04. The NIH has announced the release of the PHS 2004-2 SBIR/STTR Grants Solicitation. This omnibus solicitation combines the offerings of the NIH SBIR/STTR, the CDC SBIR and the FDA SBIR programs. Due to the size and complexity of the NIH SBIR/STTR program, the NIH sponsors an annual conference specific to their program needs. For more information, visit [www.grants.nih.gov/grants/funding/sbir.htm](http://www.grants.nih.gov/grants/funding/sbir.htm)

HHS FUNDING FOR BIOTERRORISM RESEARCH. The National Institute of Allergy and Infectious Diseases (NIAID) has funding opportunities for bioterrorism related research. These opportunities can be viewed at <http://www2.niaid.nih.gov/Biodefense/Research/funding.htm>

#### GENERAL SERVICES ADMINISTRATION

GSA SEEKS TO REFRESH FEDERAL SUPPLY SCHEDULE. STANDING SOLICITATION WITH NO CLOSING DATE. GSA seeks to refresh the Building Materials Federal Supply Schedule which includes products in areas including but not limited to: Solar Energy Systems & Lighting Products; Pre-Engineered/Prefabricated Buildings and Structures; and Power Distribution Equipment. For more information, visit <http://www2.eps.gov/spg/GSA/FSS/7FX/7FCI%2DF8%2D03%2D0056%2DB/SynopsisP.html>

#### NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA SBIR/STTR SOLICITATION CLOSES 9/9/04. Although there will be only one solicitation which will combine both the SBIR and STTR components, the review, selection and award processes will be conducted separately for each program. For more information, visit <http://sbir.gsfc.nasa.gov/SBIR/SBIR.html>

#### NATIONAL PARK SERVICE

(New) NPS ISSUES RFQ FOR 14 SOLAR SYSTEMS, SOL# Q8304040613. RESPONSES DUE 9/10/04. NPS has issued a Request for Quotation to remove and replace fourteen solar systems, including water heaters, circulating pumps, and all associated accessories for a complete water heating solar system at various locations within the Hawaii Volcanoes National Park. Cost Range: \$25K - \$100K. A site visit is required prior to bidding. For more information, visit <http://ideasec.nbc.gov/j2ee/announcementdetail.jsp?serverId=NP144302&objId=1527889>

#### NATIONAL SCIENCE FOUNDATION

(New) NSF SEEKS PROPOSAL FOR MATERIALS RESEARCH BETWEEN U.S. INVESTIGATORS AND THEIR COUNTERPARTS ABROAD, SOL# 04-599. RESPONSES DUE 10/14/04. Focus should be on improved materials and processes which can be used in increasing energy efficiency, promoting environmental protection, developing information and communications systems, and providing modern and reliable transportation and civil infrastructure. \$5 million expected to be available; 30 awards anticipated. For more information, visit <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04599>

NSF FY-05 SBIR/STTR SOLICITATION CLOSES 12/8/04. The main topic is Manufacturing Innovation with the following areas of interest: (1) Unit Process Level Technologies, (2) Machine Level Technologies, (3) Systems Level Technologies, and (4) Environmental or Societal Level Technologies. For more information, visit [www.eng.nsf.gov/sbir/](http://www.eng.nsf.gov/sbir/)

#### STATE AND OTHER ORGANIZATIONS

THE ROBERT C.BYRD NATIONAL TECHNOLOGY TRANSFER CENTER EMERGENCY RESPONSE

TECHNOLOGY (ERT) PROGRAM SEEKS EMERGENCY RESPONSE TECHNOLOGIES. ERT is interested in identifying emerging technologies with applications to the needs of the emergency response community, and in working with developers to commercialize these technologies. Areas of interest include: (1) Biological detection technologies that provide accurate real-time biological detection; (2) Spray solutions that can neutralize chemical and biological contaminants as well as provide a resistant barrier; (3) Colormetric detection capabilities for all chemicals (biological, radiological, and particulates). For more information, visit [http://www.nttc.edu/techmart/category.asp?type\\_id=2](http://www.nttc.edu/techmart/category.asp?type_id=2)

U.S.-EGYPT JOINT FUND ISSUES COMPETITIVE GRANTS TO SUPPORT INTERNATIONAL, COLLABORATIVE PROJECTS IN SCIENCE AND TECHNOLOGY BETWEEN U.S. AND EGYPTIAN COOPERATORS. The Joint Fund receives \$3 million per year to distribute equally between Egyptian and American scientists. Priority areas for research include information technology, environmental technologies, biotechnology, energy, standards and metrology, and manufacturing technologies. For more information, visit <http://www.usembassy.egnet.net/usegypt.htm>

#### ETV VERIFICATION OPPORTUNITIES

Criteria for participating in the ETV program include a commercially available technology, a willingness to cost-share a portion of the testing costs, a willingness to participate in the study design process, and a commitment to deploy and operate the technology during the verification process. Program benefits to technology developers and vendors include a rigorous testing protocol and a data set collected under field conditions that establish performance; an opportunity to showcase your technology through a well-developed ETV information outreach program; and an accelerated regulatory acceptance of your technology. ETV has verified 273 technologies. For more information on ETV and their pilots, please visit: [www.epa.gov/etv/](http://www.epa.gov/etv/)

#### ADVANCED MONITORING SYSTEMS CENTER SOLICITS TECHNOLOGY VENDORS FOR THE FOLLOWING TESTS:

Nutrient monitors. Interested vendors should contact Rachel Sell, Battelle, at (614) 424-3579 or [sellr@battelle.org](mailto:sellr@battelle.org).

Portable water detectors for arsenic - Third Round. For more information, contact Patricia White, Battelle, at (781) 952-5279 or [whitepj@battelle.org](mailto:whitepj@battelle.org).

Beach monitoring technologies. Interested vendors should contact Amy Dindal, Battelle, at (561) 422-0113 or [dindala@battelle.org](mailto:dindala@battelle.org).

Mercury continuous emission monitors - third round. Interested vendors should contact Tom Kelly, Battelle, at (614) 424-3495 or [kellyt@battelle.org](mailto:kellyt@battelle.org).

Dioxin continuous emission monitors. Interested vendors should contact Ken Cowen, Battelle, at (614) 424-5547 or [cowenk@battelle.org](mailto:cowenk@battelle.org).

Multigas emission analyzers - second round. Interested vendors should contact Tom Kelly, Battelle, at (614) 424-3495 or [kellyt@battelle.org](mailto:kellyt@battelle.org).

Hydrogen sulfide monitors. Interested vendors should contact Stephanie Buehler, Battelle, at (614) 424-3495, or [buehlers@battelle.org](mailto:buehlers@battelle.org).

#### GREENHOUSE GAS TECHNOLOGY CENTER SOLICITS TECHNOLOGY VENDORS

The GHG Center, operated by Southern Research Institute, is soliciting vendors of the following technologies:

Transportation technologies that improve fuel consumption or reduce greenhouse

gas emissions from all transportation sectors (i.e., on- and off-road vehicles, light- and heavy-duty vehicles, locomotives, marine vehicles). For more information, contact Tim Hansen, SRI, at (919) 806-3456 or [hansen@sri.org](mailto:hansen@sri.org)

Distributed electrical generation and combined heating/cooling and power technologies. For more information, contact Tim Hansen, SRI, at (919) 806-3456 or [hansen@sri.org](mailto:hansen@sri.org)

Sustainable energy technologies that produce or use sustainable or renewable energy sources. For more information, contact Tim Hansen, SRI, at (919) 806-3456 or [hansen@sri.org](mailto:hansen@sri.org).

Advanced fossil fuel energy technologies offering improved efficiencies and environmental performance of fossil fuels. For more information, contact Tim Hansen, SRI, at (919) 806-3456 or [hansen@sri.org](mailto:hansen@sri.org).

#### DRINKING WATER SYSTEMS CENTER SOLICITS TECHNOLOGY VENDORS

The DWS Center, operated by NSF International, invites vendors to participate in verification tests of the following technologies:

Arsenic drinking water treatment technologies - third round. Interested vendors should contact Bruce Bartley, NSF, at (734)769-5148 or [bartley@nsf.org](mailto:bartley@nsf.org).

Microbiological reduction or inactivation treatment technologies identified in the DRAFT LT2 ESWTR and needing State of California testing. For more information, contact Bruce Bartley, NSF, at (734) 769-5148 or [bartley@nsf.org](mailto:bartley@nsf.org).

#### ETV AIR POLLUTION CONTROL TECHNOLOGY CENTER SOLICITS TECHNOLOGY VENDORS

The APCT Center, operated by RTI International, invites vendors to participate in verification tests of the following technologies:

Diesel engine retrofit emissions control technologies that control emissions of particulate matter, nitrogen oxides, hydrocarbons, or carbon monoxide from heavy-duty diesel engines. For more information, contact Andrew Trenholm, RTI, at (919) 316-3742 or [atrenholm@rti.org](mailto:atrenholm@rti.org).

Fabric filter media used in baghouses to control fine particulate matter. For more information, contact Andrew Trenholm, RTI, at (919) 316-3742 or [atrenholm@rti.org](mailto:atrenholm@rti.org).

#### ETV STAKEHOLDER MEETINGS

For information on upcoming stakeholder meetings, please visit the ETV web site: <http://www.epa.gov/etv/calendar/current.html>

#### UPCOMING EVENTS

*The monthly issue of EnvirotechNews normally contains events listed under this section; however, the events have been deleted for this web site version. If you are interested in receiving information about events on a monthly basis, subscribe to the EnvirotechNews listserver to receive it automatically.*

#### JOINING ENVIROTECHNEWS

If your colleagues are interested in subscribing to EnvirotechNews, they should send a blank e-mail message to: [envirotechnews-subscribe@lists.epa.gov](mailto:envirotechnews-subscribe@lists.epa.gov)

If you are not interested in receiving EnvirotechNews, then you should send a blank e-mail message to: [envirotechnews-unsubscribe@lists.epa.gov](mailto:envirotechnews-unsubscribe@lists.epa.gov)

For more information on the Center for Environmental Industry and Technology, please visit our Web Site at [www.epa.gov/ne/assistance/ceit](http://www.epa.gov/ne/assistance/ceit).

We hope that you will find this service to be helpful and informative, and look forward to hearing from you. Comments and suggestions are encouraged and can be e-mailed to the listserve.

Thank you,

Maggie Theroux